



S/N 09/575,348

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: ANDO ET AL. Examiner: S. IP
Serial No.: 09/575,348 Group Art Unit: 1742
Filed: 05/19/2000 Docket No.: 12052.33US01

Title: BILLET FOR COLD FORGING, METHOD OF MANUFACTURING
BILLET FOR COLD FORGING, METHOD OF CONTINUOUSLY COLD
FORGING BILLET, METHOD OF COLD FORGING CRANKSHAFT,
METHOD OF COLD FORGING DISK SHAPED PART WITH SHAFT,
AND COLD FORGING DIE APPARATUS

CERTIFICATE UNDER 37 CFR 1.10:

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By: _____

Name: John Junker

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In connection with the above-identified application filed herewith, please enter the following preliminary amendment:

IN THE CLAIMS

Please amend claims 1 and 2 as follows.

1. (THRICE AMENDED) A billet of steel for continuous cold forging, comprising 0.46 - 0.48 wt % of C (carbon), 0.14 wt % or less of Si (silicon), 0.55 - 0.65 wt % of Mn (manganese), 0.015 wt % or less of P (phosphorus), 0.015 wt % or less of S (sulfur), 0.15 wt % or less of Cu (copper), 0.20 wt % or less of Ni (nickel), and 0.35 wt % or less of Cr (chromium), wherein a carbide of the billet is spherodized and the billet has a limiting upsetting ratio of 90 % or more without the occurrence of cracks.

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